FIG.1

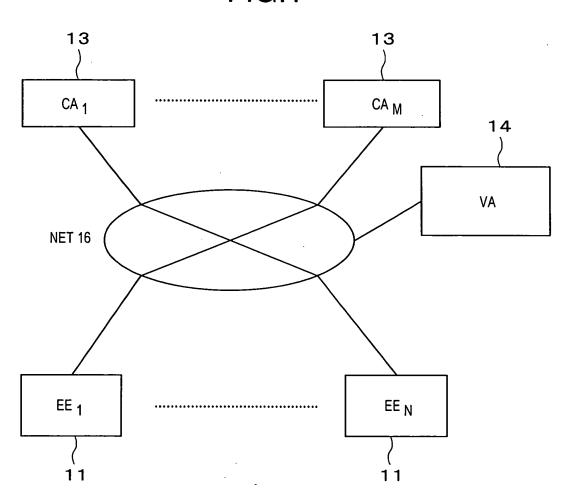


FIG.2

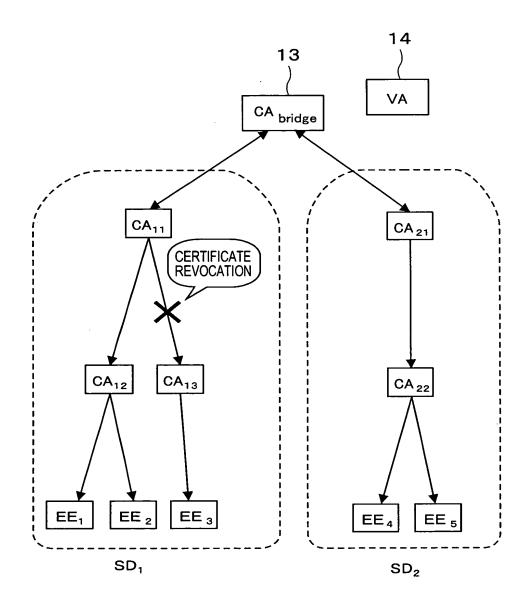


FIG.3

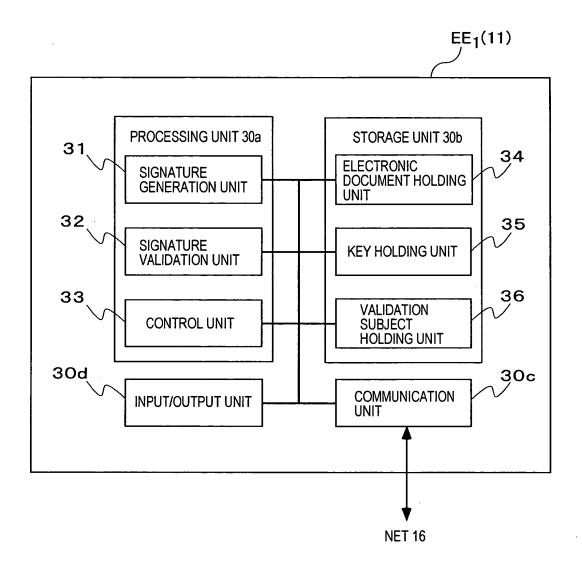


FIG.4

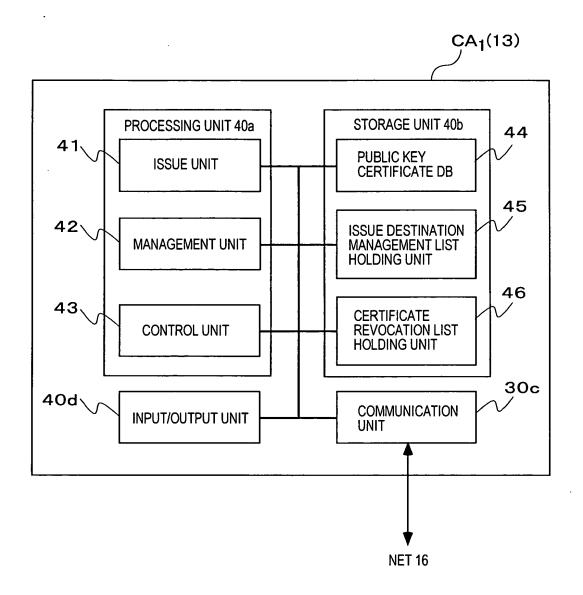


FIG.5

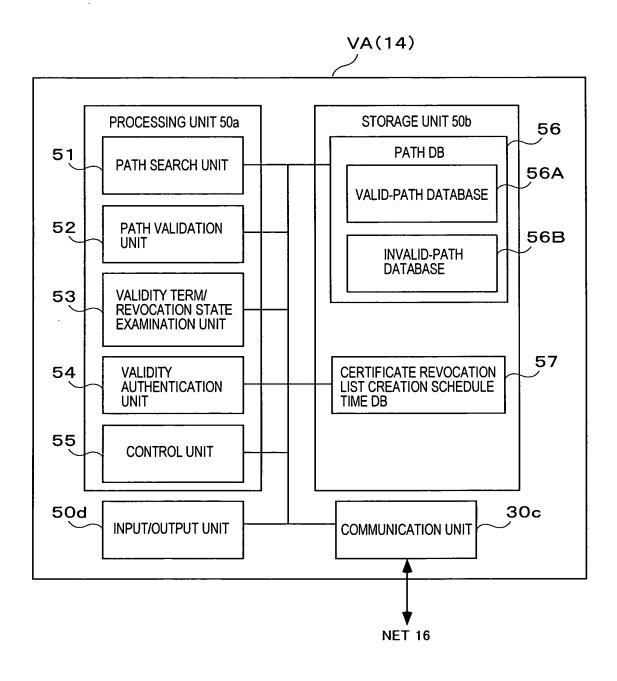


FIG.6

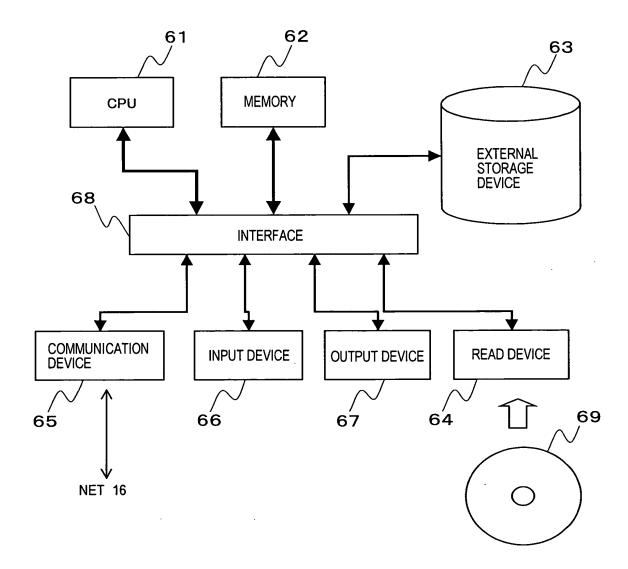


FIG.7

OPERATION OF SEARCHING FOR, VALIDATING AND MANAGING PATHS

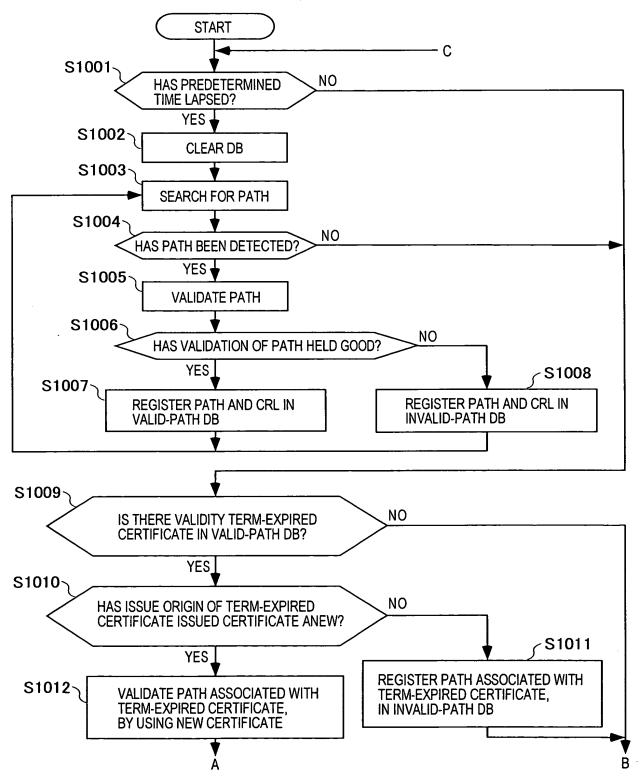


FIG.8

## OPERATION OF SEARCHING FOR, VALIDATING AND MANAGING PATHS

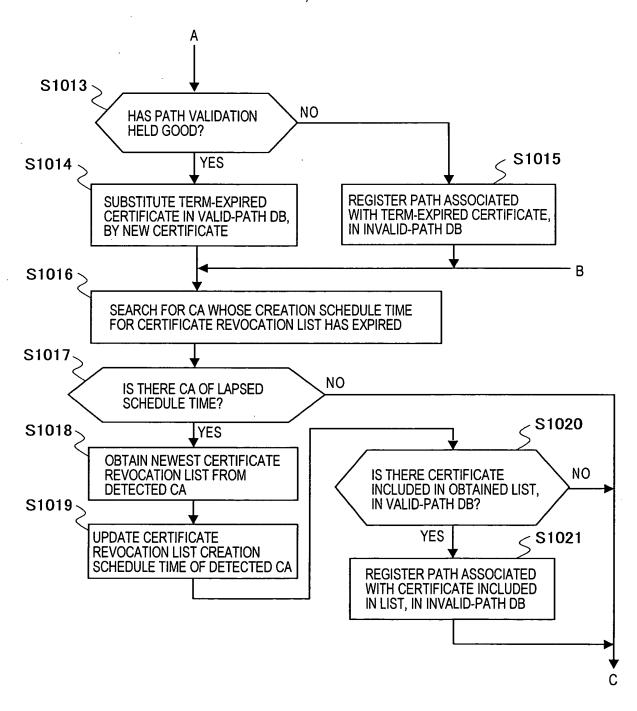


FIG.9

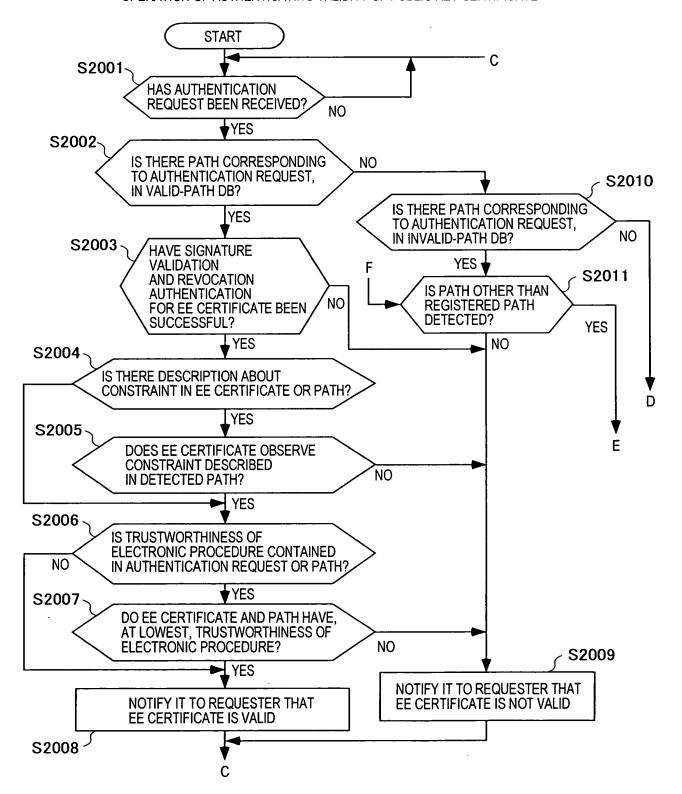
## PATH SEARCH RESULT (IN CASE OF FIG. 2)

VALID PATH				
TRUST ANCHOR CA	EE CERTIFICATE ISSUING CA	PATH	CRL	
CA <sub>11</sub>	CA <sub>12</sub>	CA <sub>11</sub> - CA <sub>12</sub>	VALID	
	CA <sub>22</sub>	CA <sub>11</sub> -CAbridge-CA <sub>21</sub> -CA <sub>22</sub>	VALID	
CA <sub>21</sub>	CA <sub>12</sub>	CA <sub>21</sub> -CAbridge-CA <sub>11</sub> -CA <sub>12</sub>	VALID	
	CA <sub>12</sub>	CA <sub>21</sub> - CA <sub>22</sub>	VALID	
CAbridge	CA <sub>22</sub>	CAbridge-CA <sub>11</sub> -CA <sub>12</sub>	VALID	
	CA <sub>12</sub>	CAbridge-CA <sub>21</sub> -CA <sub>22</sub>	VALID	

INVALID PATH				
TRUST ANCHOR CA	EE CERTIFICATE ISSUING CA	PATH	CRL	
CA <sub>11</sub>	CA <sub>13</sub>	CA <sub>11</sub> - CA <sub>12</sub>	INVALID	
CA <sub>21</sub>	CA <sub>12</sub>	CA <sub>21</sub> -CAbridge-CA <sub>11</sub> -CA <sub>12</sub>	INVALID	
CAbridge	CA <sub>12</sub>	CAbridge-CA <sub>11</sub> -CA <sub>12</sub>	INVALID	

FIG. 10

OPERATION OF AUTHENTICATING VALIDITY OF PUBLIC KEY CERTIFICATE



**FIG.11** 

## OPERATION OF AUTHENTICATING VALIDITY OF PUBLIC KEY CERTIFICATE

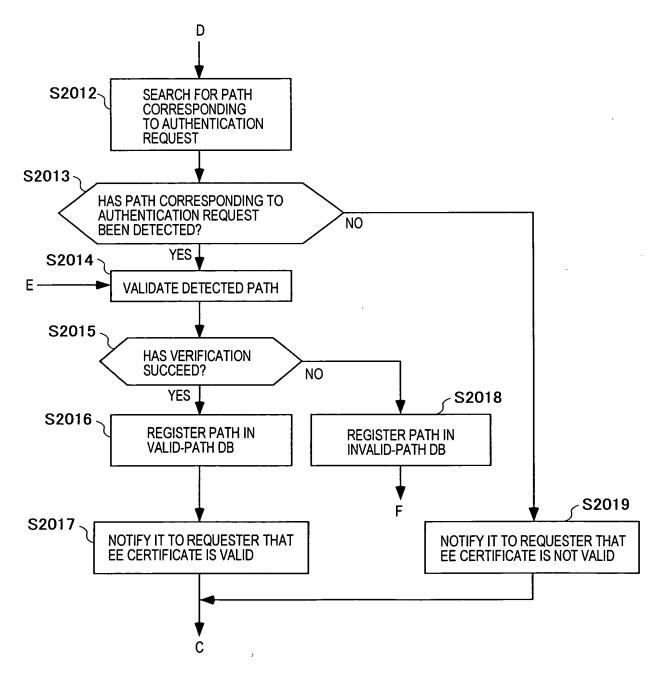


FIG.12

